

0986417 070301

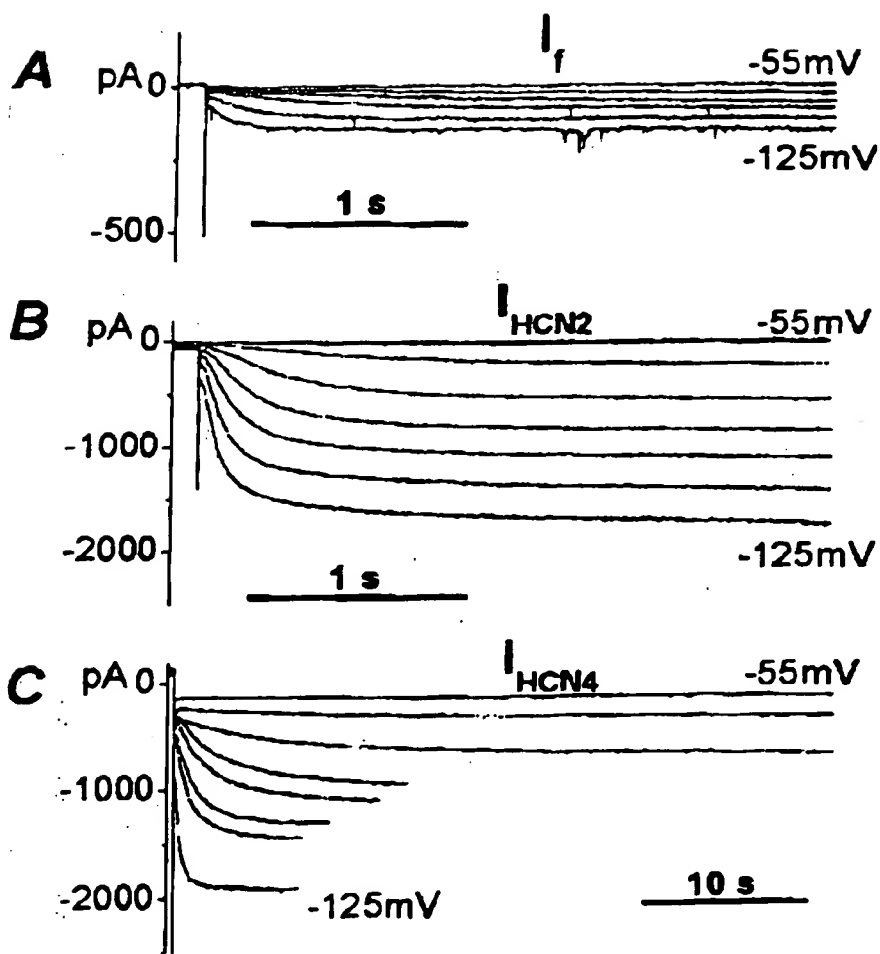


Figure 1

09898417 070304

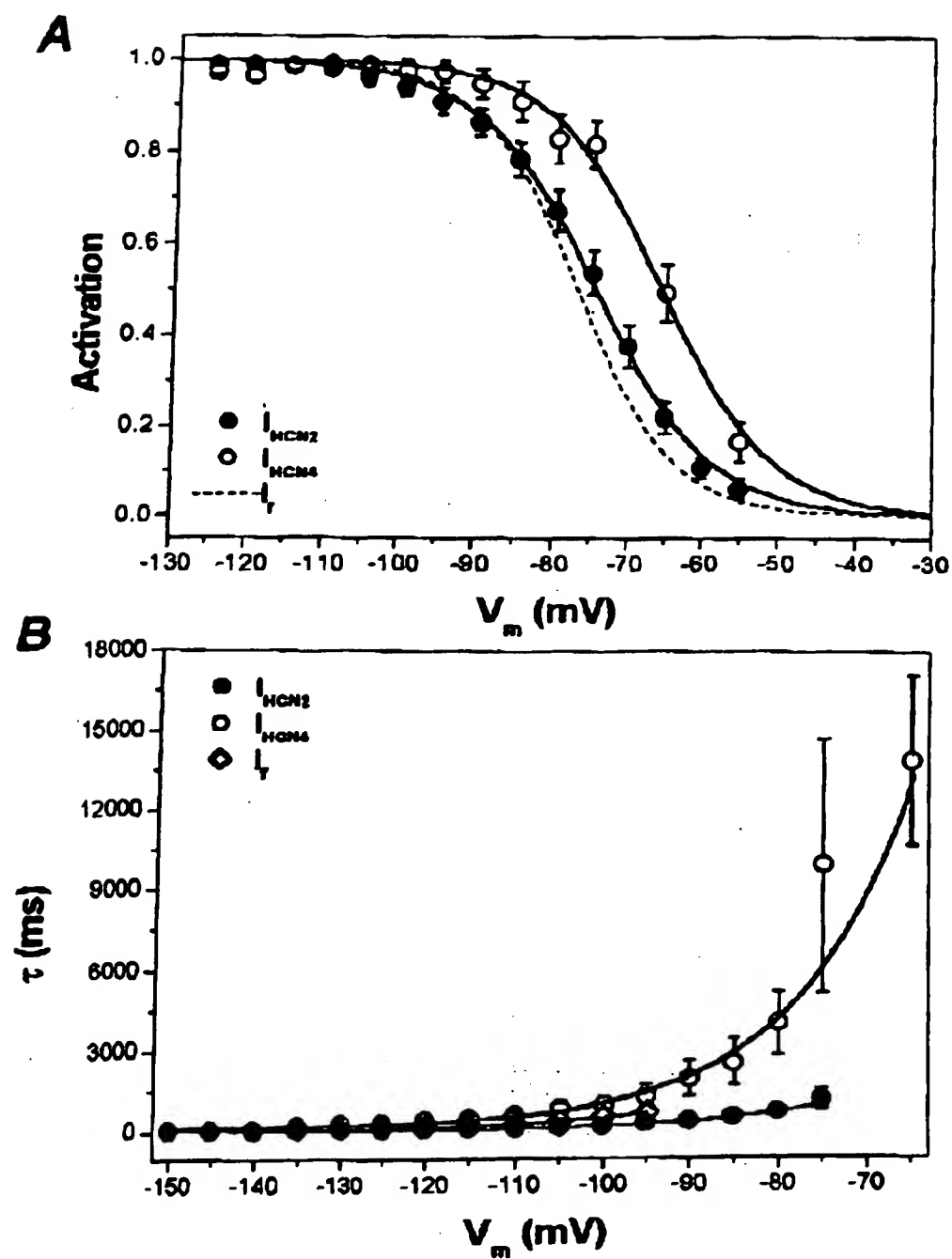


Figure 2

09858417-070301

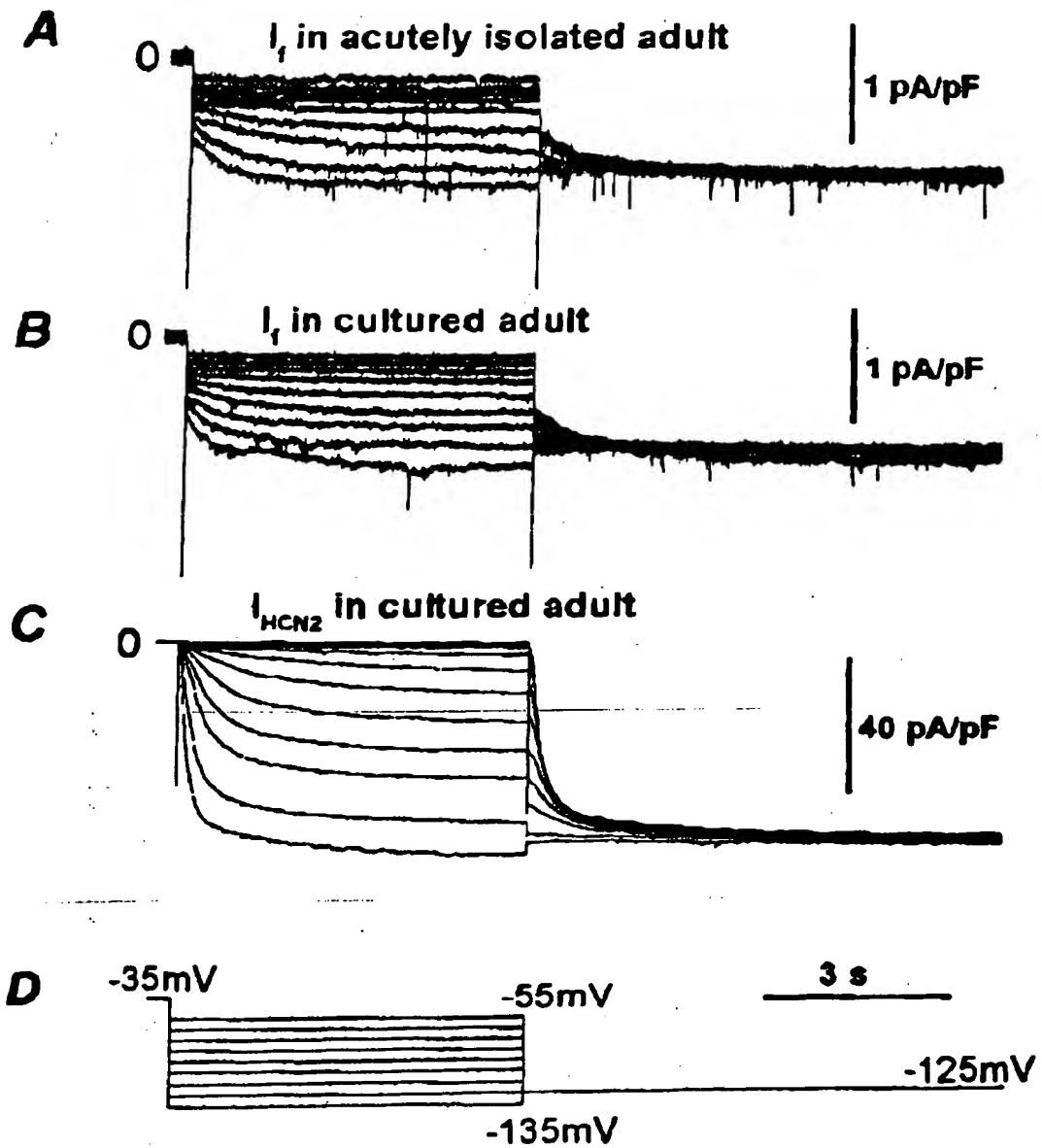


Figure 3

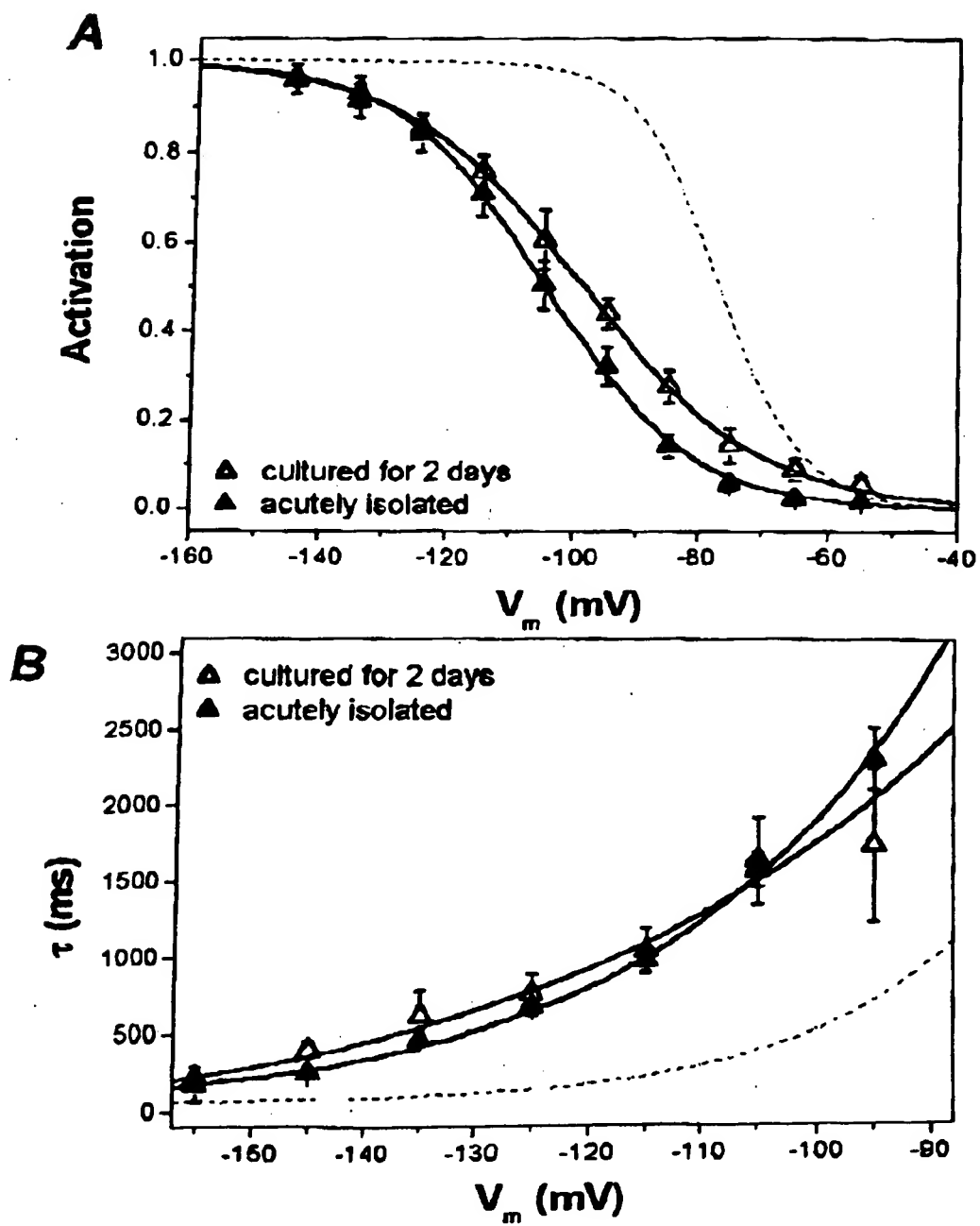


Figure 4

FOED020" 2T486860

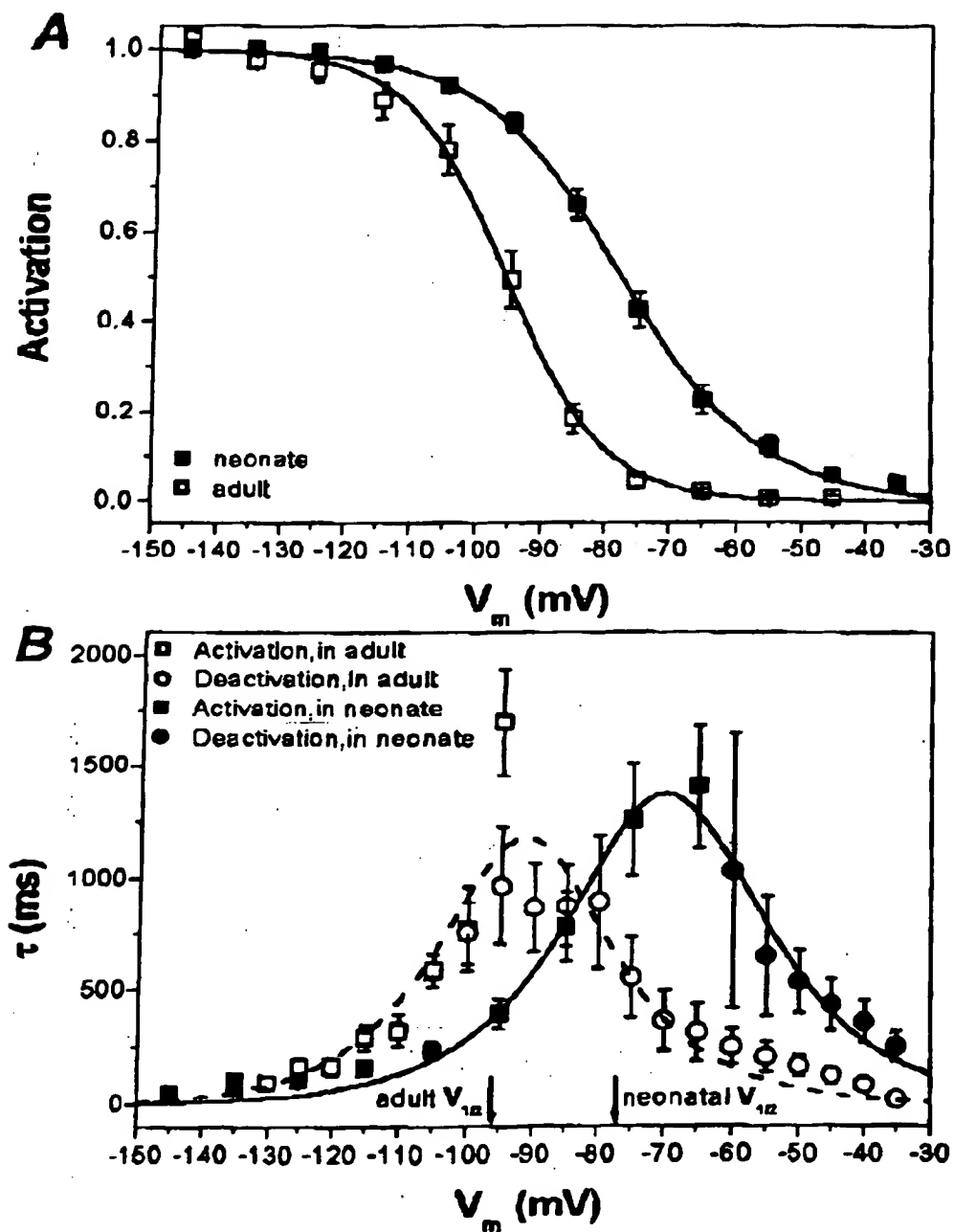


Figure 5

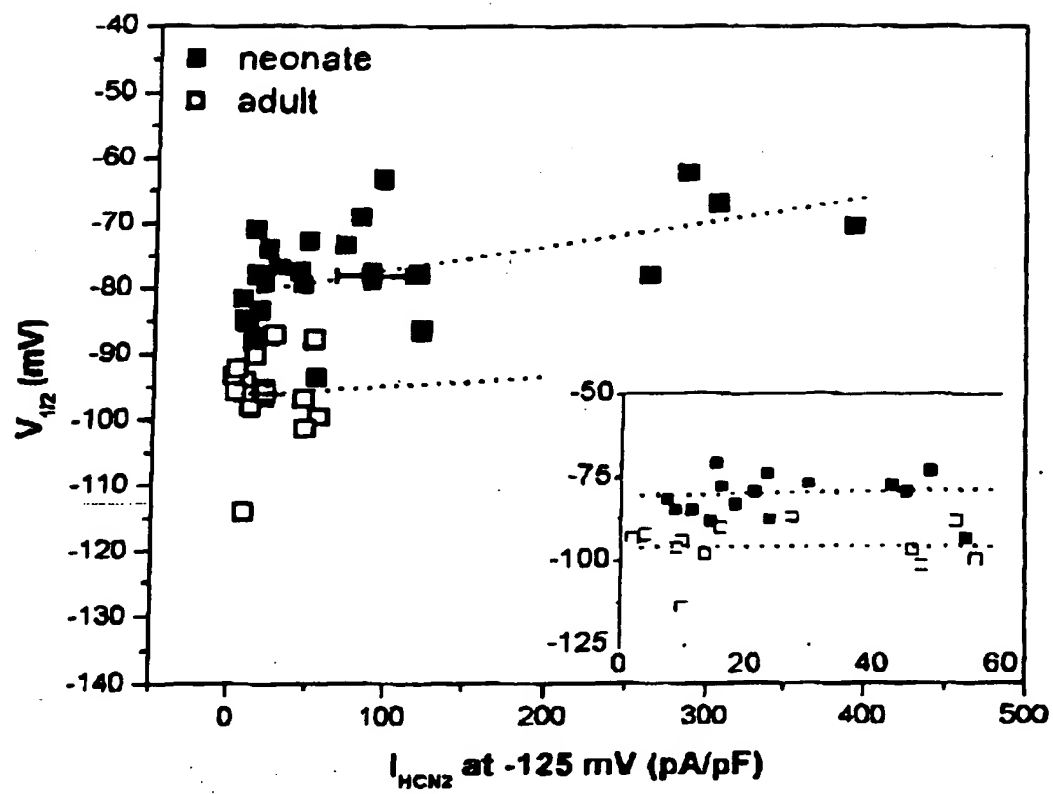


Figure 6

Figure 1 is a graph showing the voltage dependence of the activation of the Na<sup>+</sup> current (I<sub>Na</sub>) in neonate and adult rat nodose parabrachial neurons. The x-axis represents the membrane potential ( $V_m$ ) in mV, ranging from -140 to -20. The y-axis represents Activation, ranging from 0.0 to 1.0. Four curves are plotted, corresponding to different experimental conditions as indicated in the legend:

- $\blacksquare$  +cAMP in neonate (solid line with filled squares)
- $\square$  +cAMP in adult (dashed line with open squares)
- $\cdots$  -cAMP in neonate (dotted line)
- $-\cdot-$  -cAMP in adult (dash-dot line)

The curves show that the activation of I<sub>Na</sub> is voltage-dependent, increasing as the membrane potential becomes more depolarized. The neonate curves (both +cAMP and -cAMP) are shifted to the right (more depolarized) compared to the adult curves. The +cAMP curves are also shifted to the right compared to the -cAMP curves in both neonate and adult groups. Error bars are shown for the data points.

Figure 7

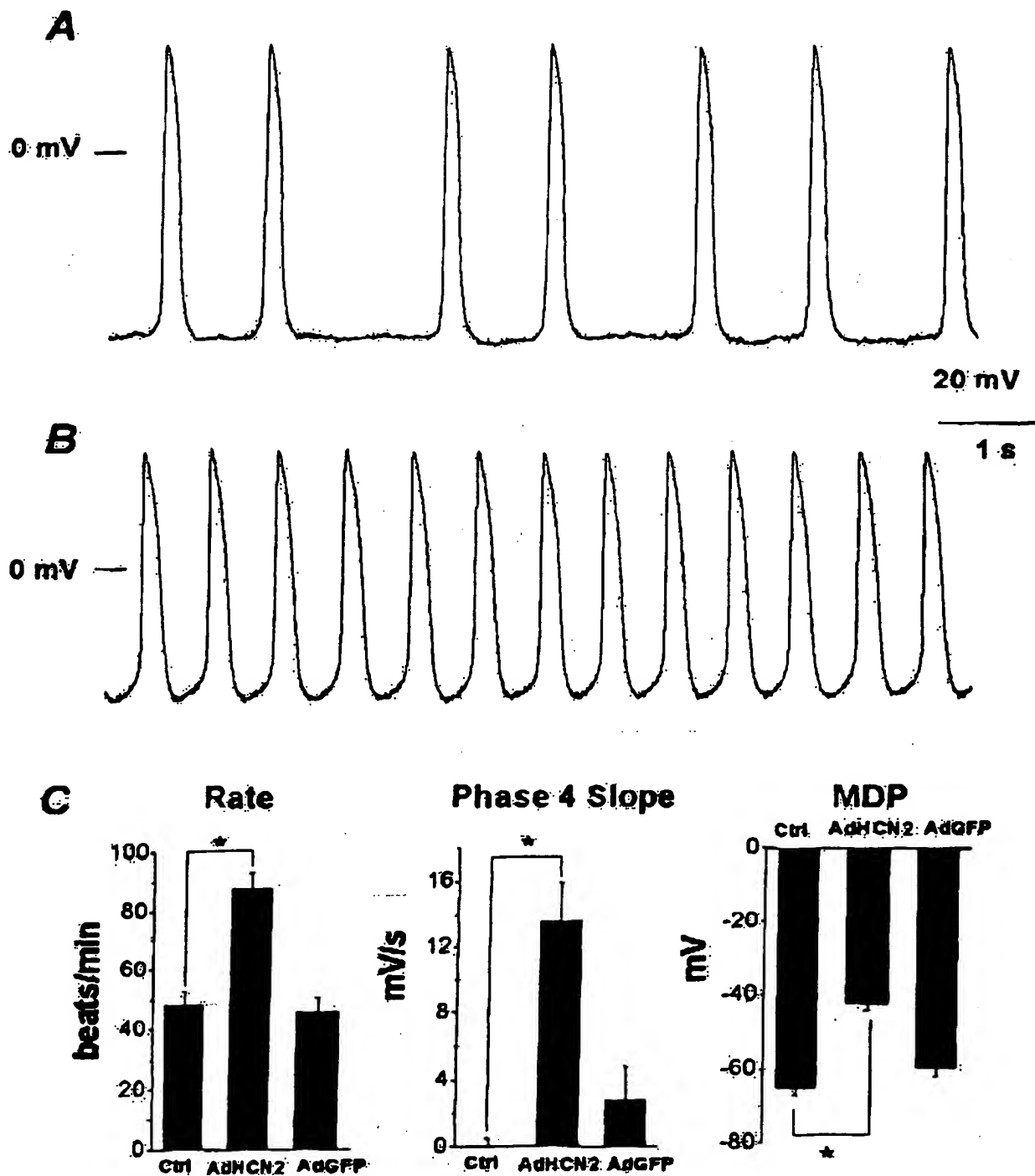


Figure 8



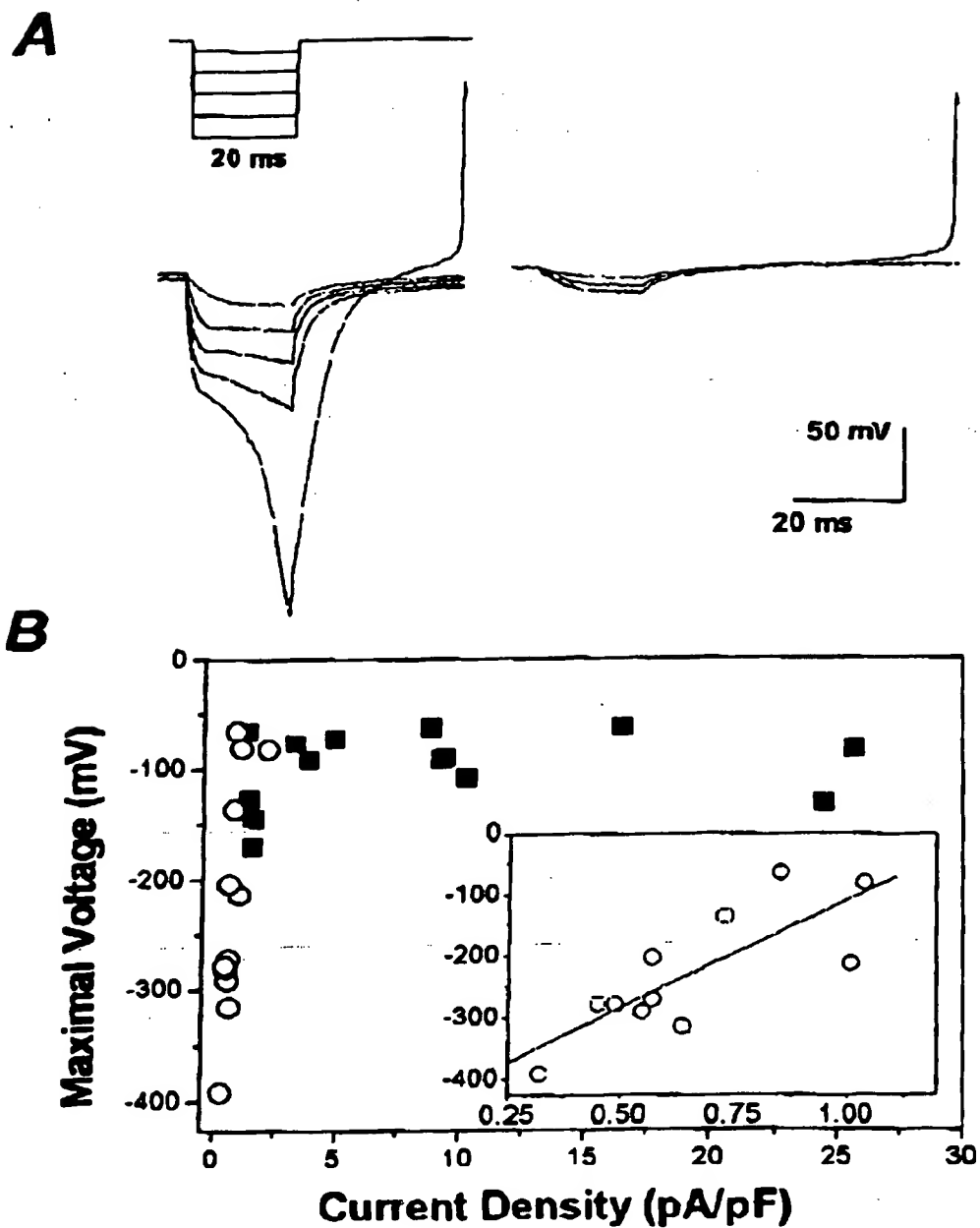


Figure 9

FOE020" 27486860

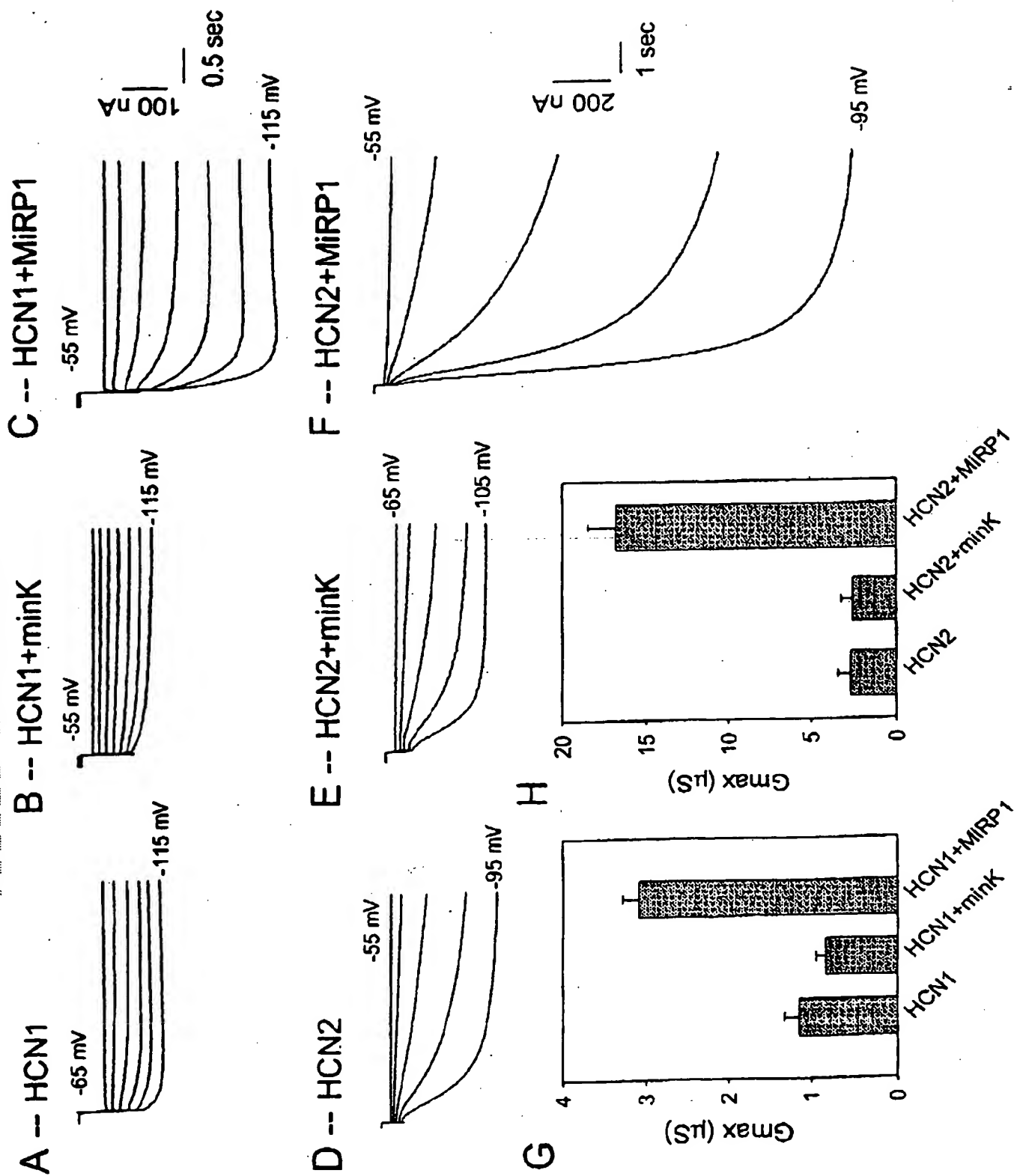


Figure 10

Figure 11

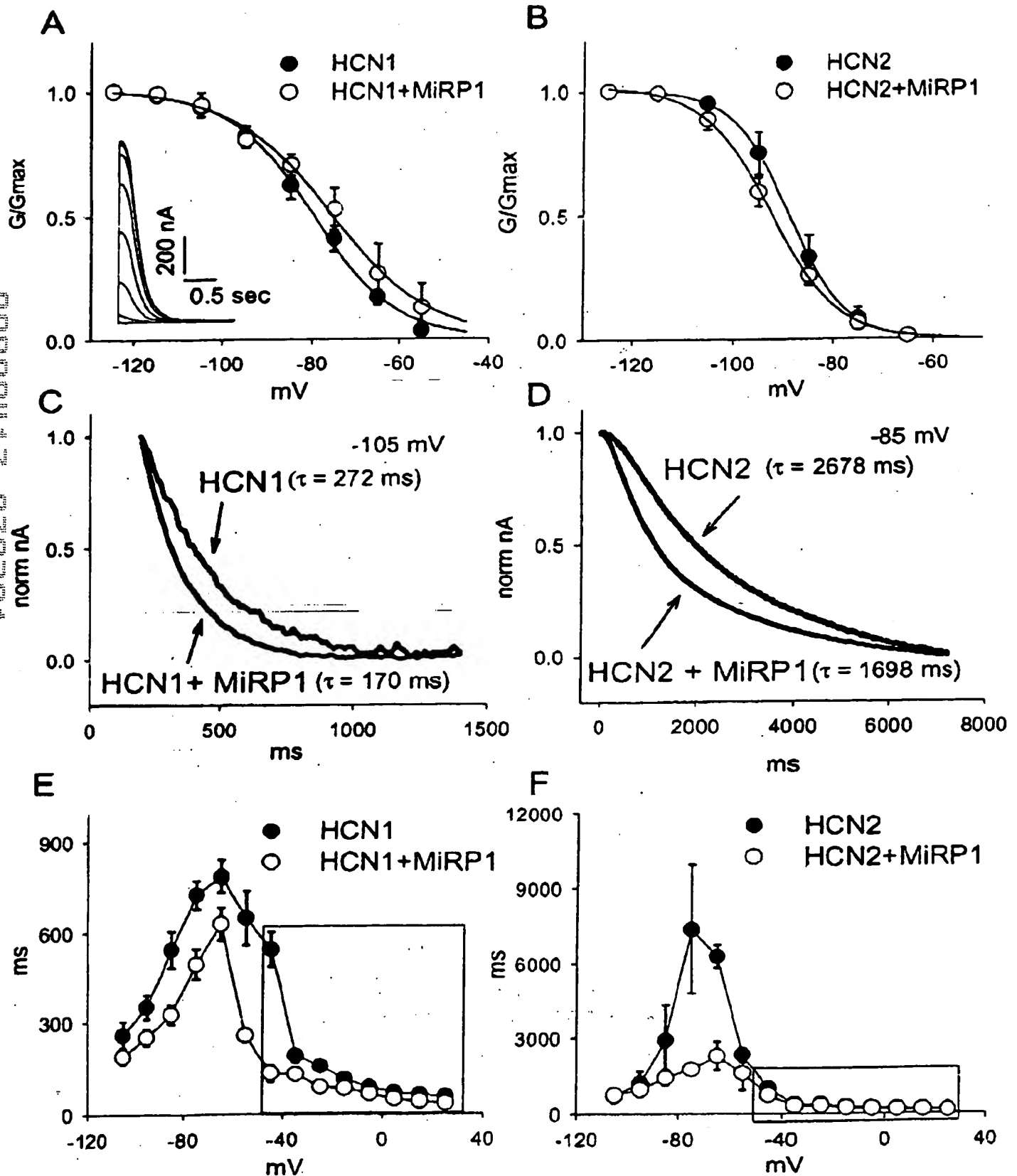
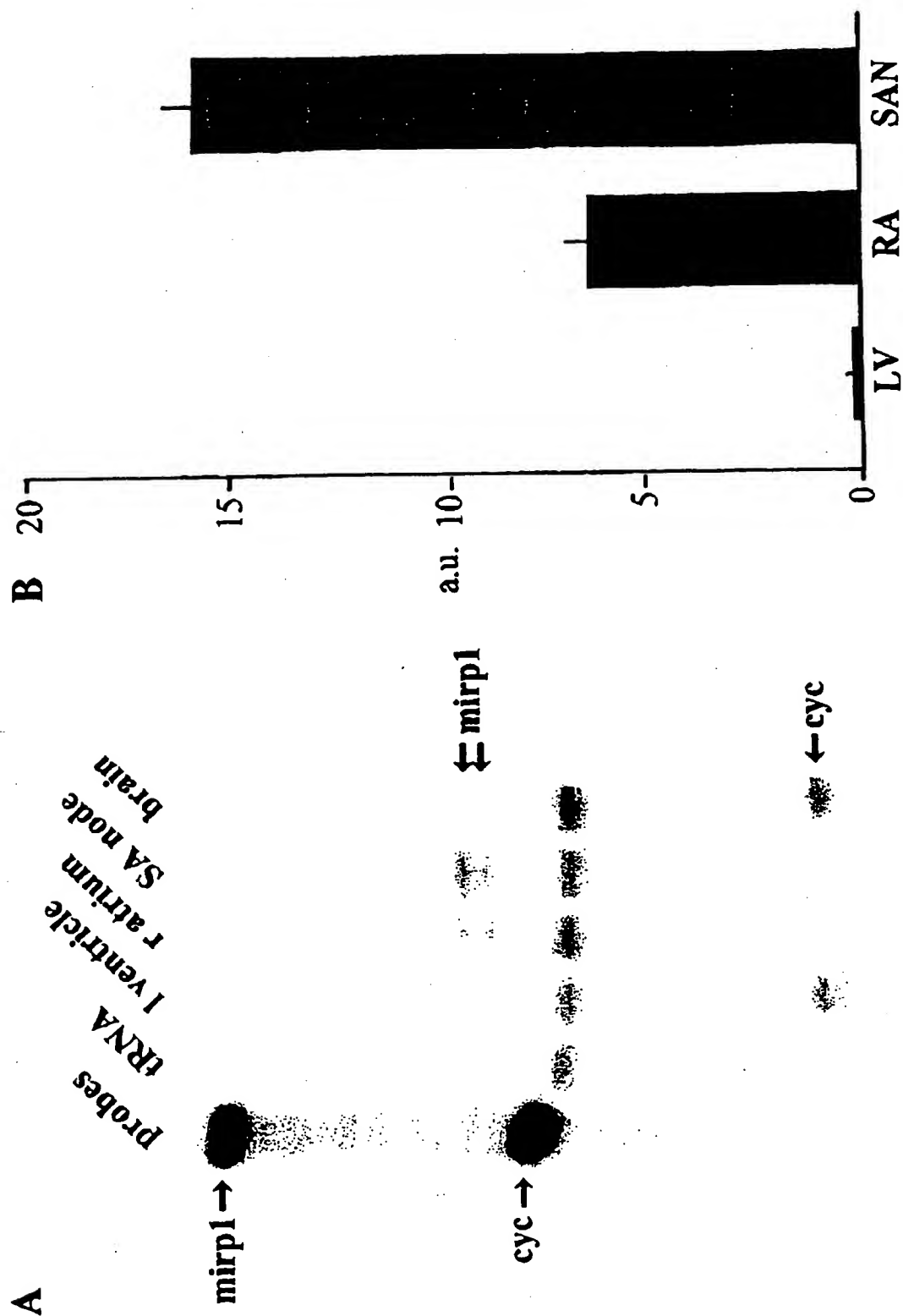
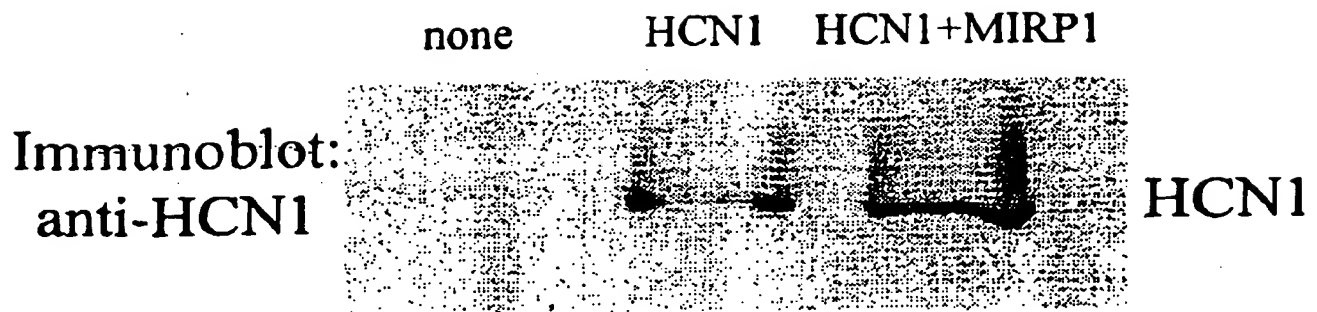


Figure 12

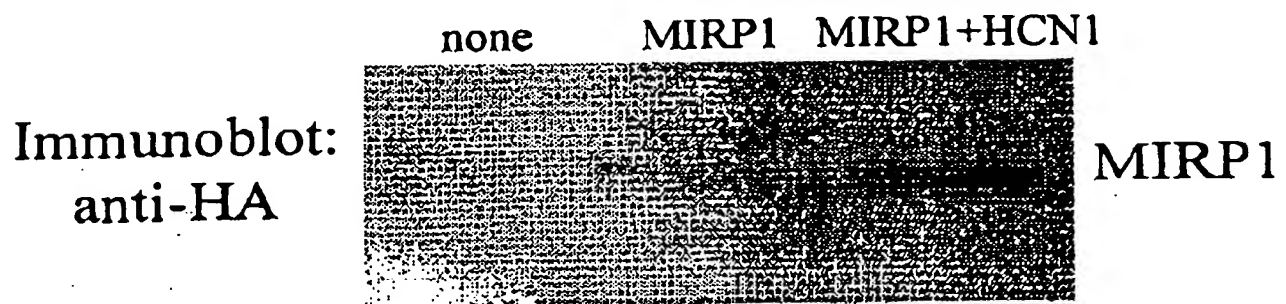


098847-070304

A



B



C

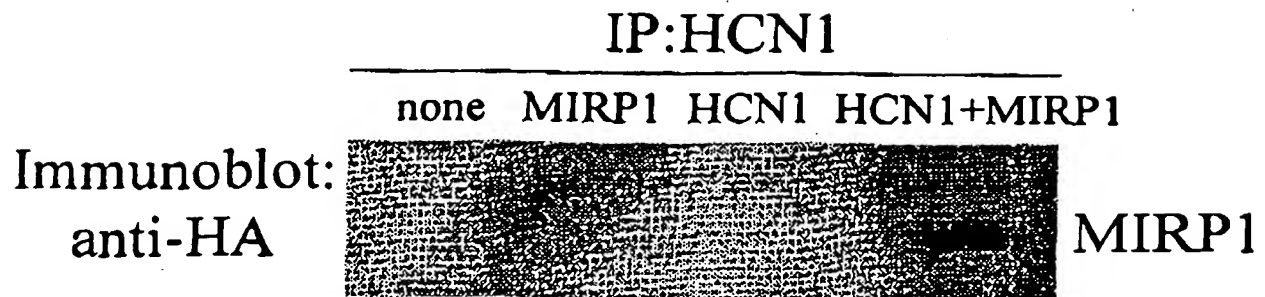


Figure 13

099944 07034

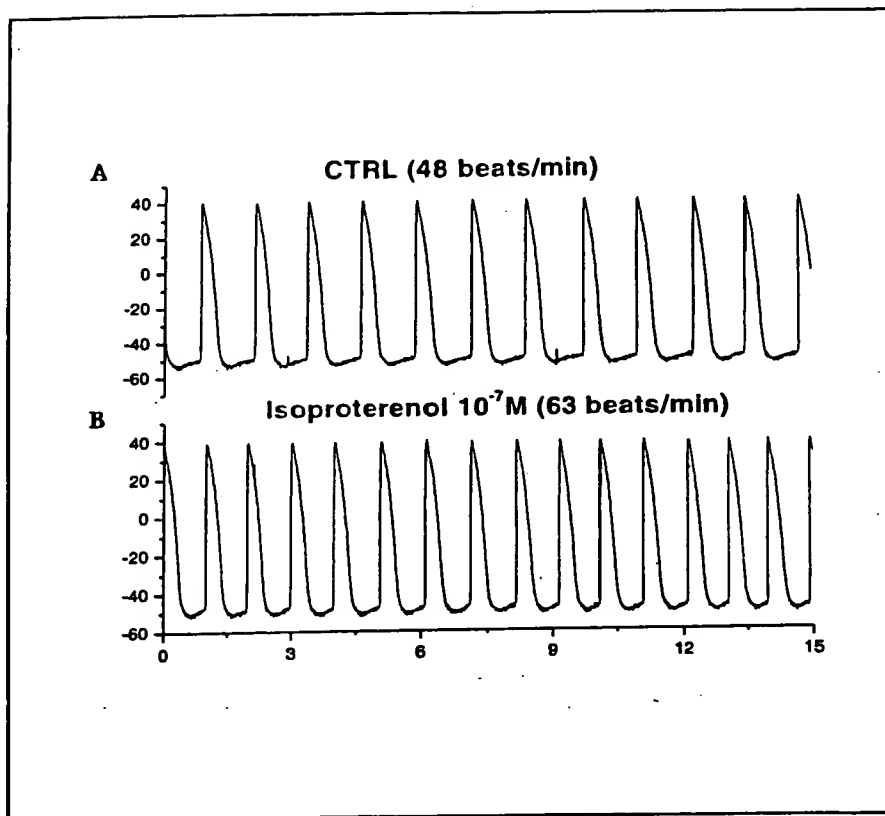


Figure 14

0989447.070301

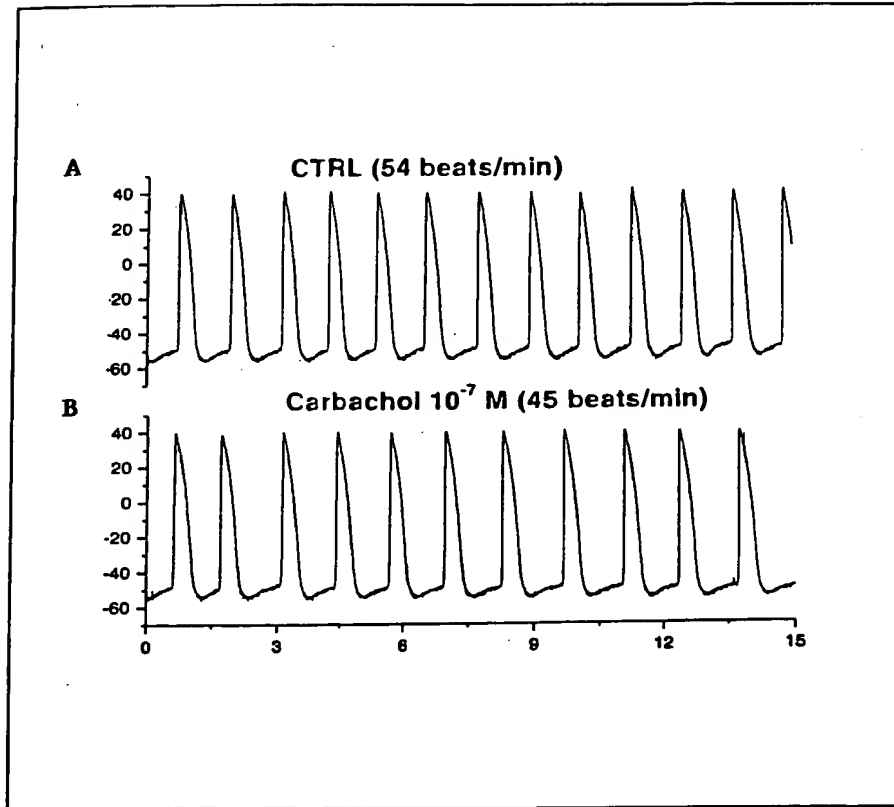


Figure 15

090304.070304

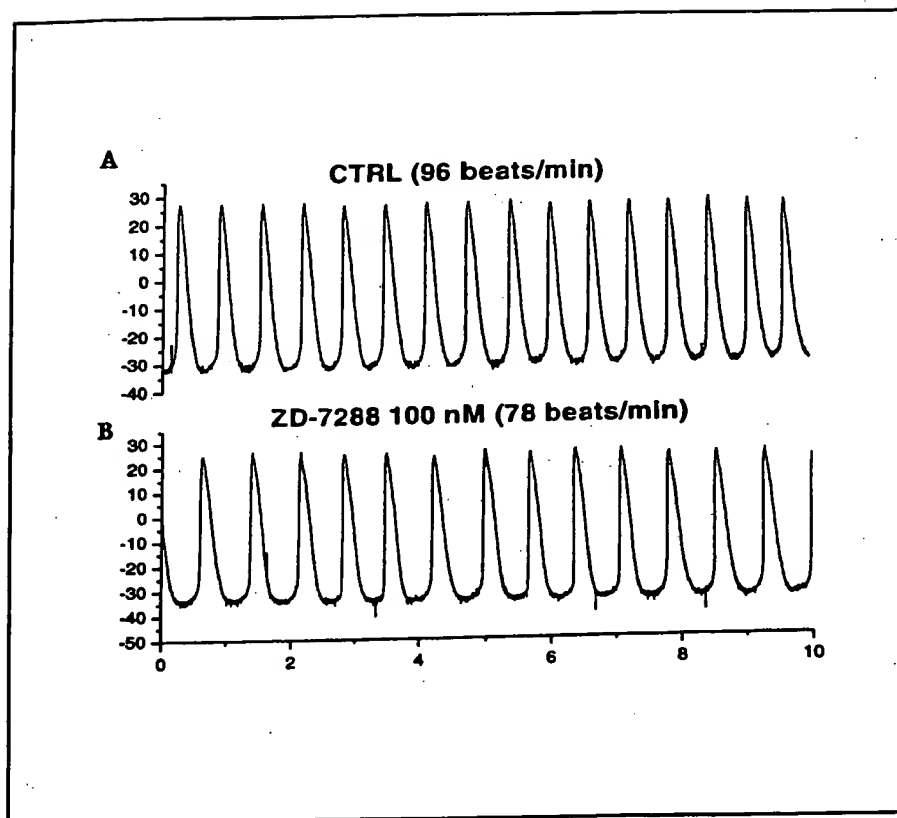


Figure 16



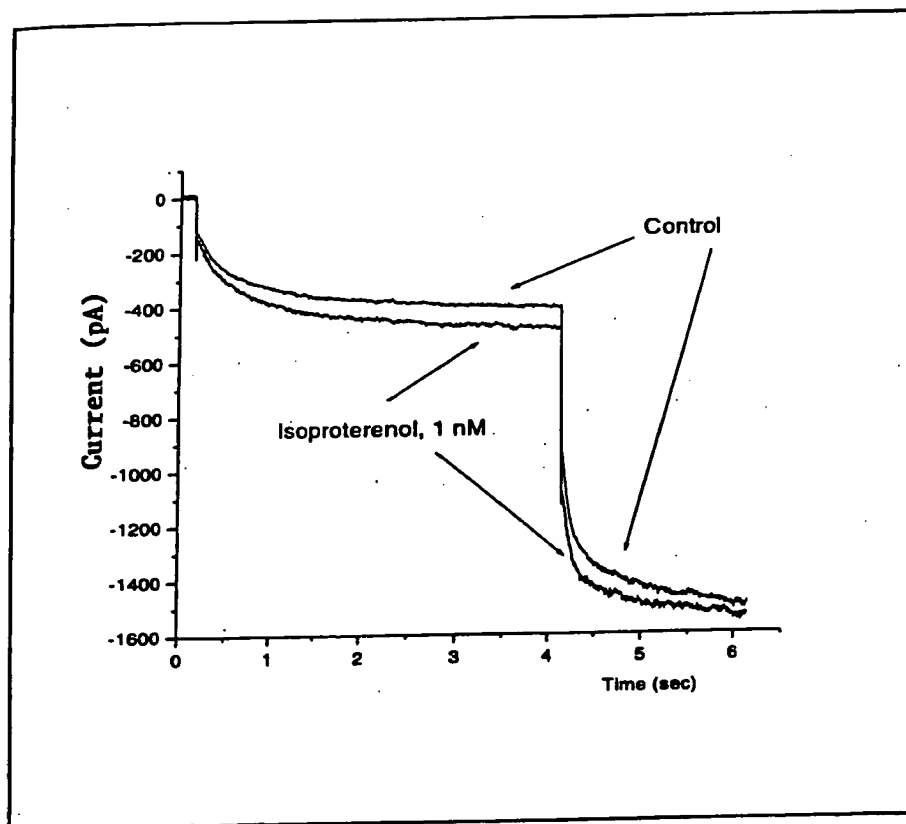
[illegible]

Figure 17.